

## Backtrack Dairies

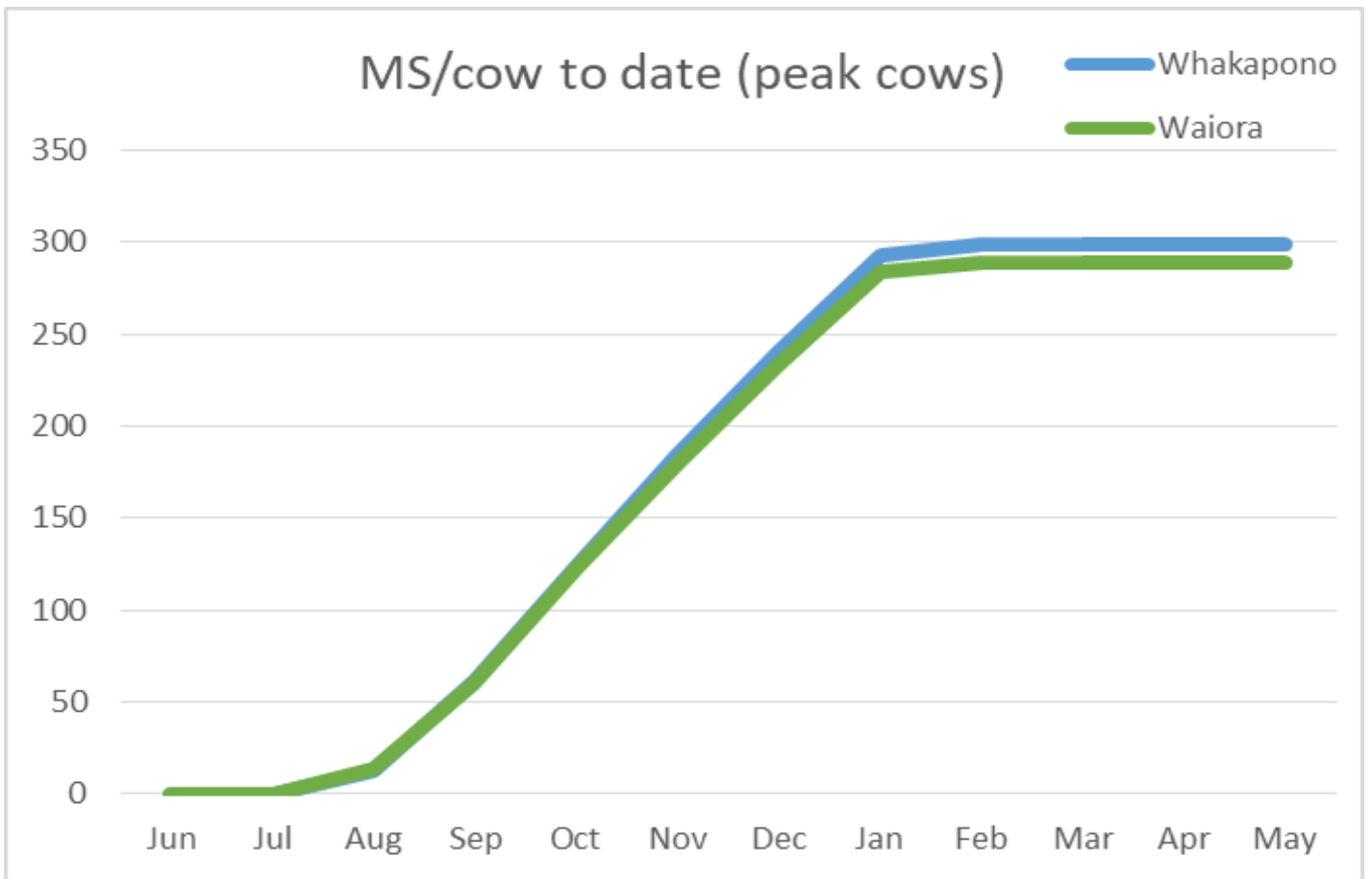
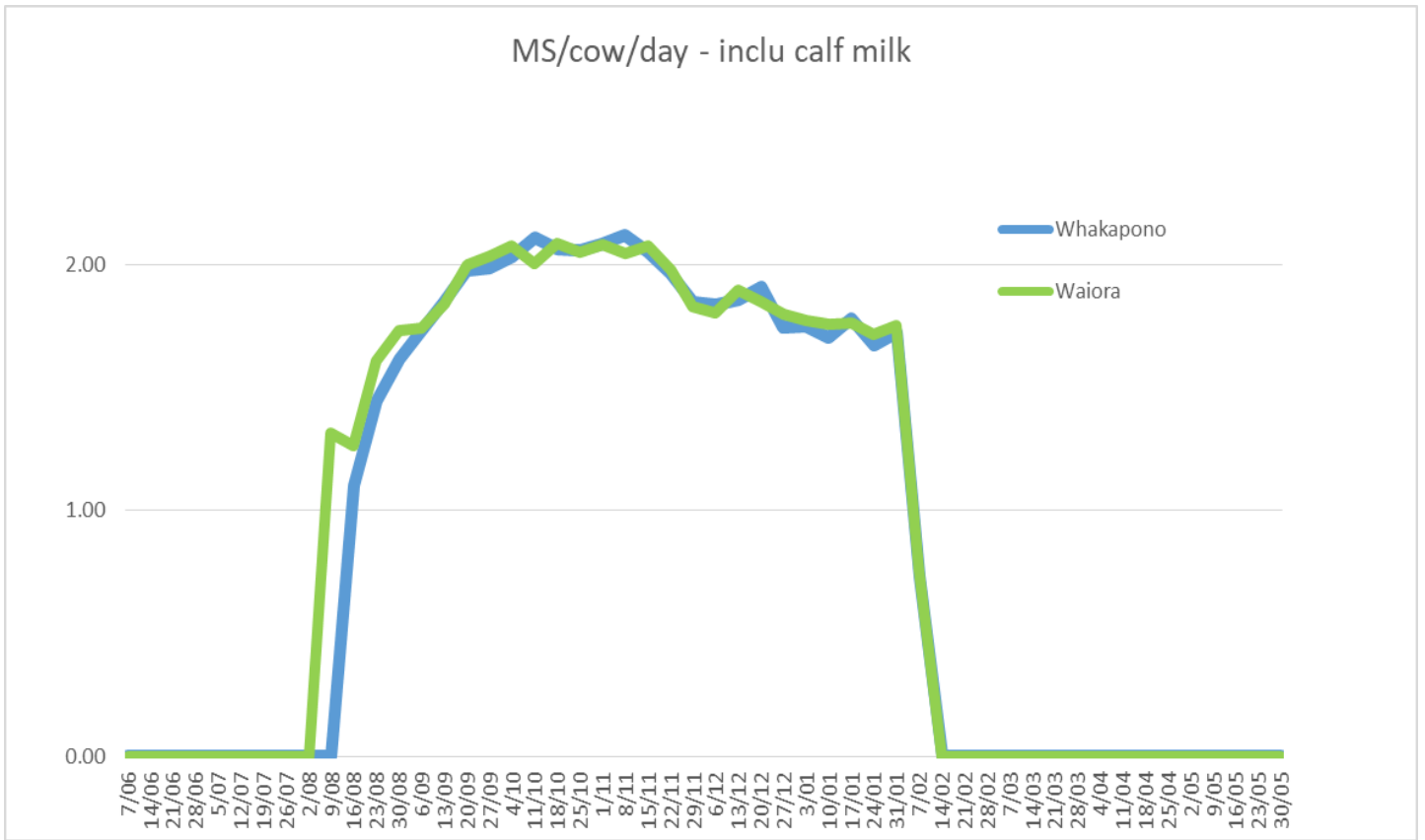
Week ending 17<sup>TH</sup> January 2018

### Backtrack Dairies

Two farming systems. One Kinsey-Albrecht (Whakapono) and one conventional (Waiora). Both farms have a stocking rate of 3.3 cows/ha at peak.

Week Ending	10/01/17		17/01/18	
<b>Backtrack Dairies</b>	<b>Whakapono</b>	<b>Waiora</b>	<b>Whakapono</b>	<b>Waiora</b>
Farm grazing ha	155	210	155	210
Peak Cows	523	697	523	697
Stocking Rate (cows in milk/ha)	3.3	3.1	3.3	3.1
Cows in Milk	518	659	516	656
% of cows in Sick Herd	0.2	1.4	0.2	1.0
Cows in Vat	517	649	515	649
Ave. Pasture Cover	2371	2429	2380	2430
Ave. Pasture Growth	40	44	36	48
Area Grazed	9.75	9.75	7.60	10.63
Grazing Interval	18	22	20	20
Pasture Intake (est kgDM/cow)	20	20	29	24
Grass Silage Fed (kgDM/cow)	0.0	0.0	0.0	0.0
Grain/PKE Fed (kgDM/cow)	1.0	1.0	1.0	1.0
Total Fed KgDM/cow	21	21	30	25
Milk Solids (Kg/cow/day)(inclu calf milk)	1.70	1.76	1.78	1.76
MS/ha/day	5.66	5.49	5.91	5.48
Nitrogen applied (kg N/ha)	0	0	0	0
Rainfall (mm for week)	60	60	70	70
Irrigation applied (mm for week)	8	9	0	0
Soil Temperature at 9am	18	18	18	18
Soil Moisture (between 65-76%)	106	81	104	84
Cell count (000's)	106	131	134	144
Mastitis Cases (%)	0.0	0.3	0.2	0.1
Lameness Cases (%)	0.0	0.4	0.4	0.6
Body Condition Score	4.4	4.4	4.4	4.4
<b>Totals To Date</b>				
Milk Solids to factory	126922	164615	133354	172709
Milk Solids inclu calf milk	134788	174128	141220	182222
MS/ha	816	780	857	819
MS/cow (peak cows)(inclu calf milk)	258	250	270	261
Nitrogen applied (kg N/ha)	71	111	71	111
Supplements Fed (kg/cow)	351	354	358	360
Deaths %	2.7	2.7	2.7	2.7
Culls %	1.7	2.2	1.7	2.2
Mastitis %	11.3	9.3	11.3	9.3
Lameness %	4.2	5.2	5	6

# Production Graph



## Mating

<b>Timeframe of Mating</b>	<b>Dates</b>
Planned Start of Mating	29 <sup>th</sup> October
Metri-checking & PG 1	22 <sup>nd</sup> November
PG 2	1 <sup>st</sup> December
Change to short gestation hereford	7 <sup>th</sup> December
AI Finished	16 <sup>th</sup> December
Bulls entered herd	16 <sup>th</sup> December
Bulls removed from herd	8 <sup>th</sup> January
Pregnancy Scanning 1	31 <sup>st</sup> January
Pregnancy Scanning 2	1 <sup>st</sup> March

The plan is to use kiwi cross for most cows and friesland straws over obvious jersey cows. The above dates are when everything is planned to happen. These dates will get updated as we get to them.

## Animal Health

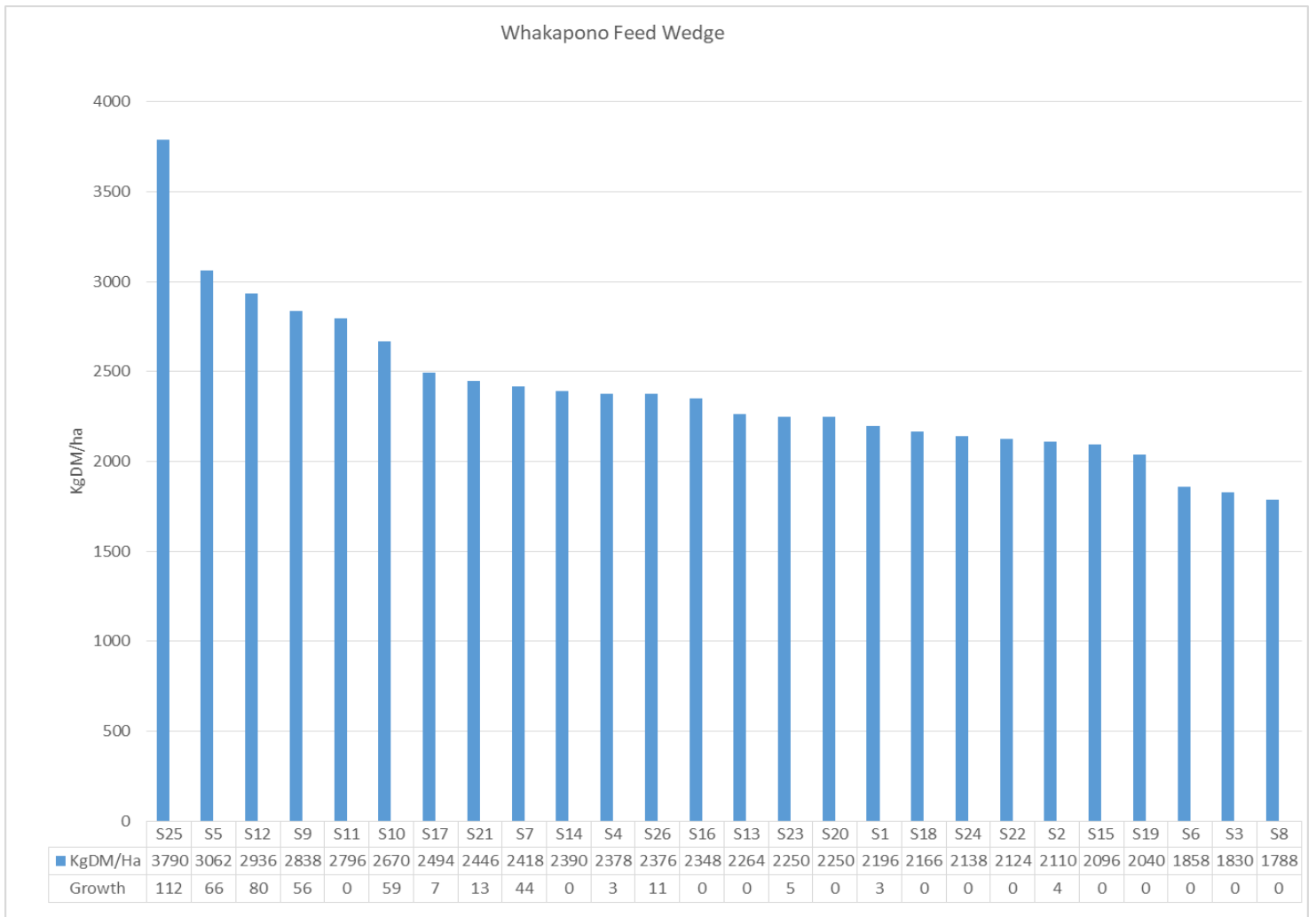
	<b>Whakapono</b>	<b>Waioira</b>
No of Mastitis Cows	1	1
No of Lameness Cows	2	4
% of Mastitis to date	11	9
% of Lameness to date	5	6

## Pastures

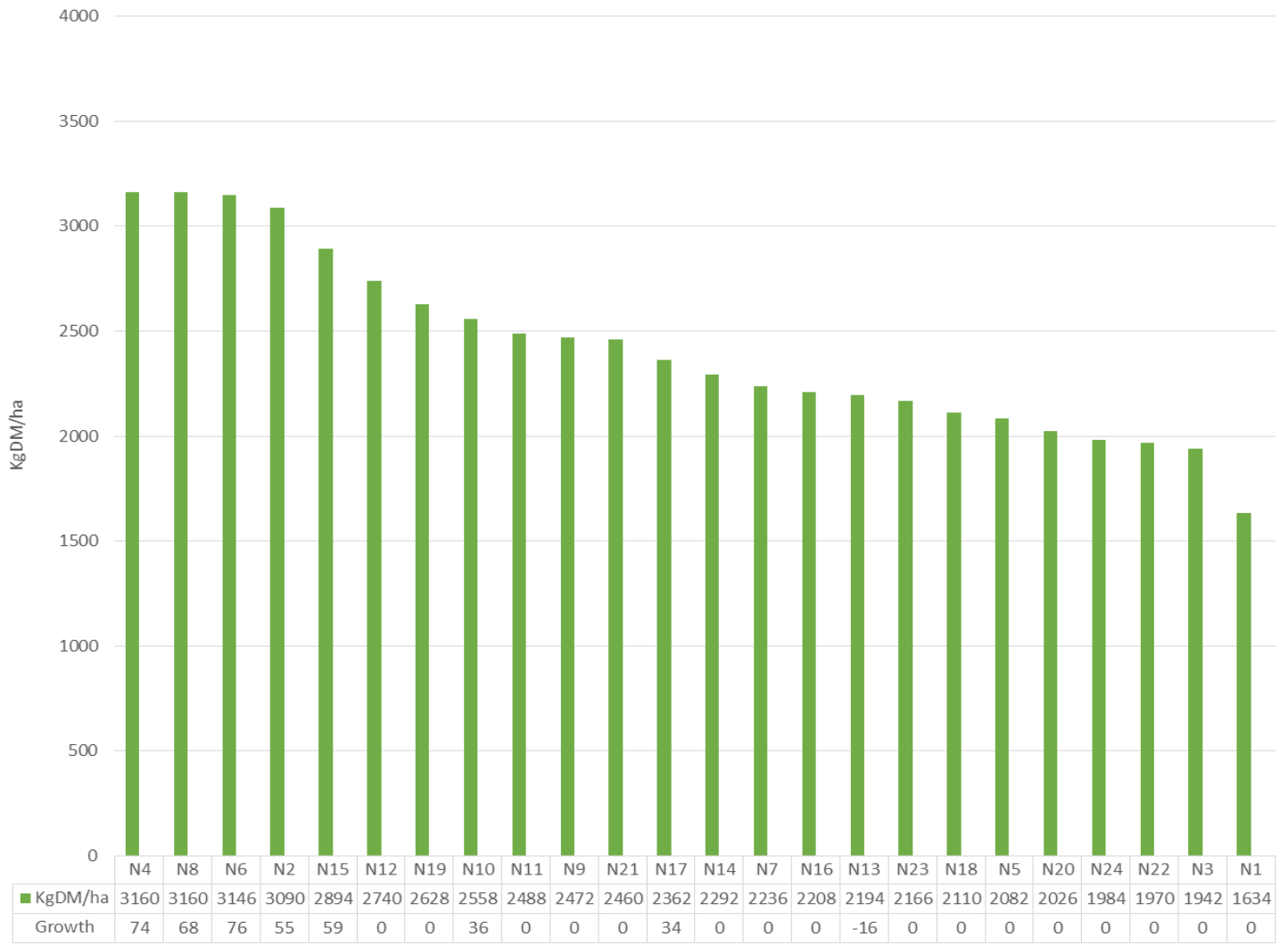
### Pasture Quality for this week

	Whakapono	Waiora
DM%	18	16
Ryegrass (%DM)	75	73
Clover (%DM)	24	23
Weeds (%DM)	1	4
Herbs (%DM)	0	0

### Feed Wedges – 14<sup>th</sup> January



Waiora Feed Wedge



**Fertiliser Applied**

**Whakapono – Healthy Soils**

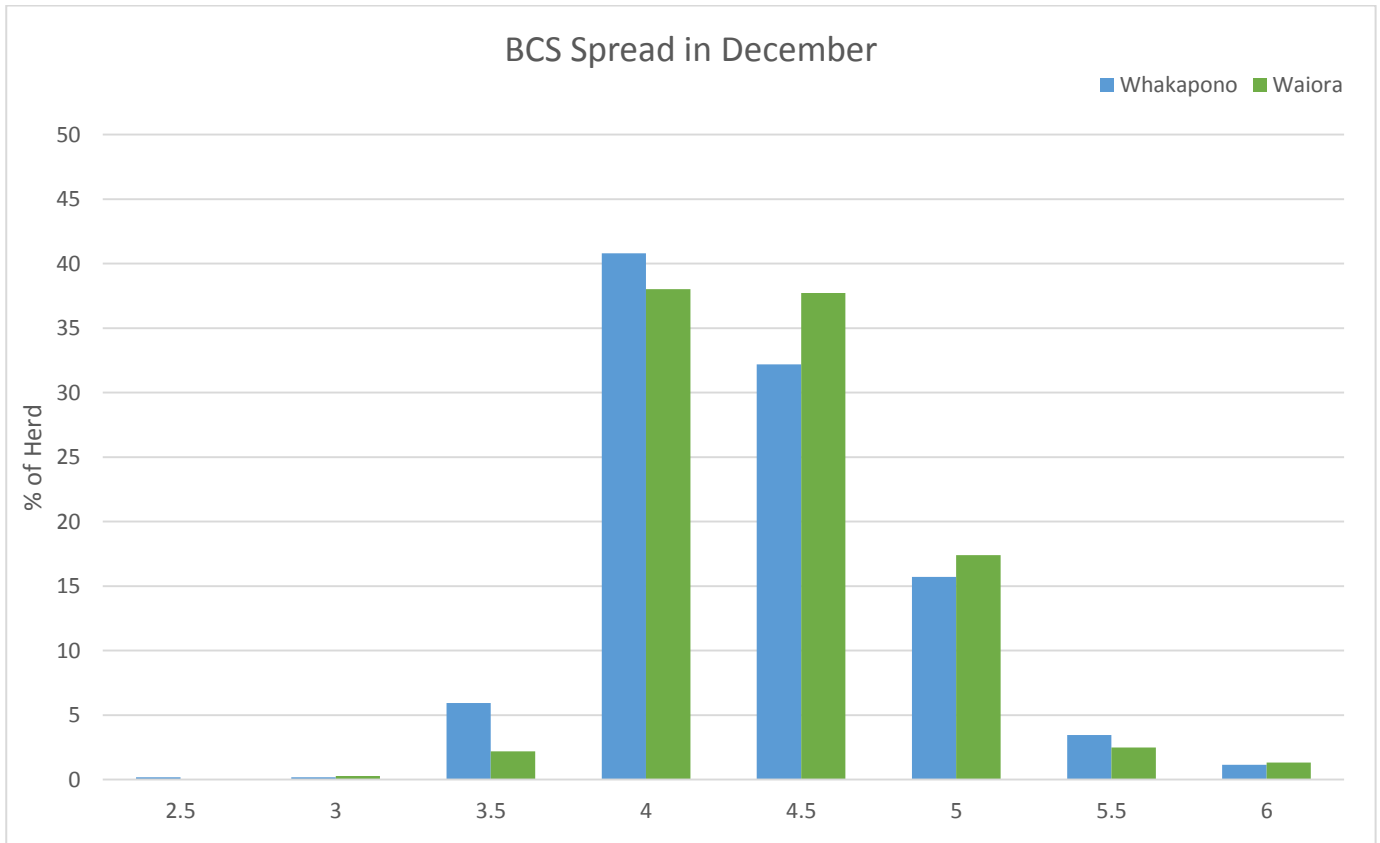
Month	N	P	K	S	Mg	Ca
August	11	0	0	11	0	0
September	20	0	0	20	0	0
October	13	19	28	52	0	115
November	22	14	37	56	0	87
December	9	0	10	13	0	0

January	21	0	0	24	0	0
<b>Total to Date Applied</b>	95	33	75	176	0	202

**Waiora - Ballance**

Month	N	P	K	S	Mg	Ca
August	27	0	0	14	0	2
September	13	0	0	7	0	1
October	18	9	9	12	7	22
November	19	11	23	14	8	27
December	8	0	8	0	0	0
January	23	0	0	0	0	0
<b>Total to Date Applied</b>	108	21	40	47	15	52

**Cow Condition**



Cows were assessed at the start of December. Average condition is has slightly improved on Whakapono to 4.4 and remained the same on Waiora at 4.4. 6% of the herd on Whakapono was below CS 4.0 and there was 2% below CS 4.0 on Waiora. So for both farms an improvement in the bottom end. Both farms tracking along well.

## Herd Test Results

Farm	No. of herds	Herd Size	Milk (L)	Milkfat (%)	Milkfat (kg)	Protein (%)	Protein (kg)	Milk Solids (kg)
Whakapono		438	27.6	4.25	1.17	3.92	1.08	2.25
Waiora		570	27.1	4.39	1.19	3.86	1.05	2.24
Canterbury	157	659	26.4	4.41	1.16	3.72	.98	2.15

Results are from the 9<sup>th</sup> and 10<sup>th</sup> of October.

## Management Summary

- Rotation length at present is at 19-21 days.
- Irrigation continues to keep up with dry period.
- Irrigation for k-lines and pivots as per moisture meter.
- 70mm of rain this week. Then we had some really hot days with temperatures in the late 20's.
- Maintenance fertiliser being put on. Pasturemag 5K on Waiora at a rate of 401kg/ha. This includes 1kg/ha of selenium. Whakapono has put on annual fertiliser with nitrogen.
- The plan for fertiliser plan for this season is to have both farms put on no more than 100kg/ha of N for the season.
- Waiora is now going to exceed this as the first round of fertiliser has been put on with a different product than what was initially planned. Interestingly it did not lift the cover to above expected levels.
- To date the spend for Waiora has been \$90,377.30 = \$430/ha. There will also be more maintenance fertiliser go on in Autumn as we didn't want to put so much K on in one hit.
- And on Whakapono the spend has been \$80,840.51 = \$521.55/ha.
- We have been pre-mowing paddocks to keep on top of pasture quality. All of Waiora has been mown and nearly all of Whakapono apart from 2 paddock has been mown. Ironically the silage paddocks need to be done again.
- We have oversown all the paddocks that we calved on – with winter active ryegrass and plantain.
- Sprayed out Californian thistles on N22 and N24 – didn't want to use round up so used grandstar instead, which means you need to leave it for 2 weeks if you want to plant with

herbs. Has been a bit of a failure in hindsight as the thistles haven't died off completely and they are underperforming now.

- Calves still on farm – another 90 have left the farm last week (after the previous 240 over the last few weeks) left the farm at 85kg or more. Calves go to the 2 graziers on a random basis as they come up to weight, but come back to their home farms at calving.
- Herd test done in this week. Results will be in next week.